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# **lic-check Documentation**

***Release 0.1.0***

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May 27, 2016



<b>1</b>	<b>lic-check</b>	<b>3</b>
1.1	Status . . . . .	3
1.2	Requirements . . . . .	3
1.3	Features . . . . .	3
1.4	Setup . . . . .	3
1.5	Usage . . . . .	3
<b>2</b>	<b>References</b>	<b>5</b>
<b>3</b>	<b>ChangeLog</b>	<b>7</b>
3.1	0.1.0 (2016-05-12) . . . . .	7
<b>4</b>	<b>Indices and tables</b>	<b>9</b>
	<b>Python Module Index</b>	<b>11</b>



Contents:



Provides FOSS compatible licenses when give license to a new project.

## 1.1 Status

## 1.2 Requirements

- Python 2.7 or Python 3.3 over

## 1.3 Features

- License classifiers

## 1.4 Setup

```
$ pip install --user lic-check
or
(venv)$ pip install lic-check
```

## 1.5 Usage

```
$ python
>>> from lic_check.classifier import Classifier
>>> c = Classifier()
>>> c.segments
[SoftwareLicenses, DocumentationLicenses, OtherLicenses]
```





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## References

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lic\_check.define.

**class** lic\_check.classifier.**Category** (*element, segment*)  
 Bases: object

License Category.

- GPL compatible licenses
- GPL incompatible licenses
- Nonfree Software licenses

**class** lic\_check.classifier.**Classifier**  
 Bases: object

classify various licences.

```
>>> c = Classifier()
>>> c.segments
[SoftwareLicenses, DocumentationLicenses, OtherLicenses]
>>> c.segments[0].categories
[GPLCompatibleLicenses, GPLIncompatibleLicenses, NonFreeSoftwareLicenses]
>>> c.segments[0].categories[0].licenses
[GNUGPLv3, GPLv2, LGPLv3, LGPLv2.1, AGPLv3.0, ...]
```

**categories** (*segment=None*)  
 categories.

```
>>> c = Classifier()
>>> c.categories(c.segments[0])
[GPLCompatibleLicenses, GPLIncompatibleLicenses, NonFreeSoftware...]
>>> c.categories(c.segments[1])
[FreeDocumentationLicenses, NonFreeDocumentationLicenses]
>>> c.categories(c.segments[2])
[OtherLicenses, Fonts, OpinionLicenses, Designs]
>>> c.categories().get('SoftwareLicenses')
[GPLCompatibleLicenses, GPLIncompatibleLicenses, NonFreeSoftware...]
>>> c.categories().get('DocumentationLicenses')
[FreeDocumentationLicenses, NonFreeDocumentationLicenses]
```

**licenses** (*category=None*)  
 licenses.

```
>>> c = Classifier()
>>> sw_lic = c.segments[0]
>>> gpl_compat_lic = c.categories(sw_lic)[0]
>>> gpl_compat_lics = c.licenses(gpl_compat_lic)
>>> len(gpl_compat_lics)
50
>>> gpl_compat_lics[0]
GNU GPLv3
>>> gpl_compat_lics[0].category
GPLCompatibleLicenses
>>> gpl_compat_lics[0].segment
SoftwareLicenses
>>> gpl_incompat_lic = c.categories(c.segments[0])[1]
>>> c.licenses(gpl_incompat_lic)
[AGPLv1.0, AcademicFreeLicense, apache1.1, ...
>>> nonfree_lic = c.categories(sw_lic)[2]
>>> c.licenses(nonfree_lic)
[NoLicense, Aladdin, apsl1, ...
>>> c.licenses().get('GPLCompatibleLicenses')
[GNU GPLv3, GPLv2, LGPLv3, LGPLv2.1, AGPLv3.0, ...
```

**class** `lic_check.classifier.License` (*element, category*)

Bases: `object`

License.

**class** `lic_check.classifier.Segment` (*element*)

Bases: `object`

License Segmentation.

- Software Licenses
- Documentation licenses
- Other works

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## ChangeLog

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### 3.1 0.1.0 (2016-05-12)

- Initial release.



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## Indices and tables

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- `genindex`
- `modindex`
- `search`



|

`lic_check.classifier`, 5





## C

`categories()` (`lic_check.classifier.Classifier` method), 5  
`Category` (class in `lic_check.classifier`), 5  
`Classifier` (class in `lic_check.classifier`), 5

## L

`lic_check.classifier` (module), 5  
`License` (class in `lic_check.classifier`), 6  
`licenses()` (`lic_check.classifier.Classifier` method), 5

## S

`Segment` (class in `lic_check.classifier`), 6